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CC isolated (I); and transgenic animals expressing (A). Activation of
CC (A) results, in vitro or in vivo, in cellular proliferation, or
CC secretion of a cellular product, particularly a heterologous
CC therapeutic protein encoded by a second inserted nucleic acid
CC sequence. Particularly it is used to expand the relatively few
CC cells that are successfully transfected during gene therapy
CC contraction of the responses that can be regulated are cell
CC migration and contraction, or pigment production. In transgenic
CC animals, expression or stimulation of (A) is designed to develop
CC cardiac arrhythmia, symptoms of bone disease, seizures, vascular
CC contractions, dementia, neurodegeneration etc., for use as models
CC for production of improved food products (e.g. increased calcium
CC content in eggshells or altered fat/lean ratios) or to control
CC content or induce labour.
CC content or in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches 252;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     activating a target cell (TC) comprises: (1) introducing into the cell a nucleic acid sequence (I) that expresses a RASSI (A) and (ii) exposing the transfected cell to small synthetic molecules (B) that bind to and activate (A), inducing the G protein coupled cellular response associated with receptor activation. (A) has: (a) decreased binding affinity for a selected natural ligand of the native receptor; (b) binding affinity for [B); and (c) is activated by binding (B) sufficiently to produce the required cellular response. Also new are: transgenic cells including heterologous (I) in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15-SEP-1994 (first entry)
Partial sequence of the human kappa opioid receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Q56702 standard; DNA; 2447 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1143 ACTGAAGATGAG 1154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1083 CATTCTCTACGCCTTTCTTGATGAAAACTTCAAGCGGTGTTTCCGGGGACTTCTGCTTTCC 1142
DNA encoding opioid receptors and antibodies against this
                                                                                                                          (REGC ) UNIV CALIFORNIA.
                                                                                                                                                                                                                                                                                                                                                                                                                                   genomic clone H14 (KORa).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                056702
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                                                                                    Edwards RH,
                                                                                                                                                                                                                                                              03-MAR-1994.
                                                                                                                                                                                                                                                                                                                                                                                         Opioid receptor; morphine; opiate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            encode signal and epitope peptides to facilitate purification of recombinant OR1. A novel method
                                                                                                                                                                                                                    13-AUG-1993; U07665
                                                                                                                                                                                                                                                                                                                                                   Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      884 ACTGAAGATGAG 895
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               824 CATTCTCTACGCCTTTCTTGATGAAAACTTCAAGCGGTGTTTCCCGGGACTTCTGCTTTCC 883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   644 CAACCTGCGTAGGATCACCAGACTGGTCCTGGTGGTGGTGGCAGTCTTCGTCGTCGCTG 703
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      human KOR cDNA (see T90998) and includes flanking sequences that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         764 TGCTCTCCCAGCTATTACTTCTGCATCGCCTTAGGCTATACCAACAGTAGCCTGAATCC 823
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  963 GACTCCCATTCACATATTCATCCTGGTGGAGGCTCTGGGGAGCACCTCCCACAGCACAGC 1022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              704 GACTCCCATTCACATATTCATCCTGGTGGAGGCTCTGGGGAGCACCTCCCACAGCACAGC 763
                                               94-083099/10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1275 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                    Evans CJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25.2%; 500
100.0%; Prr
                                                                                    Kaufman D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                266 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 252; DB 1; L; Pred. No. 2.4e-116;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                373 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            es to facilitate the detection and A novel method for selectively
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence Comparison A
                                                                                         Keith DE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                318 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 screening assays for useful drug sustances. Claim 10; Page 207-211; 300pp; English.
The nucleotide sequence of the novel mouse kappa opioid receptor gene mORK1. The gene was isolated from a mouse brain cDNA library using a fragment (amplified from the cDNA library with primers 075929-30) as a probe. The primers are based on the conserved sequences present in the second and third transmembrane domains of somatostatin (SRIP) receptor subtypes SSTR1, SSTR2 and SSTR3. The 1.2 kb PstI fragment from the mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        clones and a similar number of mc. genomic chasses were trobed with the 1.1. Se delta opto. Sproof fragment. One mouse clone and through numan genomic clones were isolated. The 3 human clones had very different EcoRI patterns which indicated that three different genes were represented by the human genomic clones which were designated H3, H14 and H20. H14 maps to chromosome 8. It encodes the human kappa opioid receptor. Sequence 2447 BP; 683 A; 512 C; 498 G; 747 T;
                                                                                                                                                               polynucleotides and peptides derived from opioid recept.
polypeptides - for use in therapeatic compositions and
                                                                                                                                                                                                                             Bell GI, Reisine T, Yasuda K; WPI; 95-022804/03.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          receptor - used to express and locate these receptors, and screen cpds. for opioid (ant)agonist activity
Example; Fig 8b; 74pp; English.
To isolate opiate receptor genomic clones, 300,000 human genomic
                                                                                                                                                                                                            P-PSDB; R67669
                                                                                                                                                                                                                                                                                           05-NOV-1993;
                                                                                                                                                                                                                                                                                                                                                   08-DEC-1994.
20-MAY-1994; U05747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mus musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     truncate; chimaeric; assay; probe; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mouse; kappa; delta; mu; opioid receptor; brain; primer; PCR; amplify; transmembrane domain; somatostatin; receptor; human; expression vector;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mouse kappa opioid receptor mORK1 cDNA.
                                                                                                                                                                                                                                                                                                                                                                                               WO9428132-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Q75926 standard; DNA; 1410 BP.
                                                                                                                                                                                                                                                                 (ARCH-) ARCH DEV CORP.
                                                                                                                                                                                                                                                                                                                                   20-MAY-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17-AUG-1995 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   241 AAGGT 245
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        331 CCGTGAAGGCTTT: GACTTCCGCACACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        271 TCACCAGCATCTTCACCTTGACCATGATGAGCGTGGACCGCTACATTGCCCCGGTGCCACC 330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     211 CCTGGCCTTTTGGGGGATGTGCTGTGCAAGATAGTAATTTCCATTGATTACTACAACATGT 270
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                                                                                                                                                                                                                                                                                       US-066296.
US-100694.
US-147592.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers 186. .1328
                                                                                                                                                                                                                                                                                                                                                                                                               /product= mouse kappa opioid receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                   /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              . J. AGGCAAM. . . MICAMI
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